(12)

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

T.DASARAHALLI SUB DIVISION.

Name of Work: ***Improvements to roads at Muneshwaranagar, Munikondappa layout & Vidyanagar in Bagalagunte Ward No. 14, T.Dasarahalli Sub Division.***

Esti Cost :- **18.00**Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

(18)

Name of Work :-Improvements to Roads at Muneshwaranagar. Munikondappa layout & Vidyanagar in Bagalagunte ward no.14, T.Dasarahalli Sub Division.

Est. Cost Rs 18.00 Lakhs

Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 **Page No. 5/ Item No. 2.1/ PWD SR 2012-13**	Cum							
	Munikondappa l/o Main road		1	210.00	3.75	0.20	157.50		
	Munikondappa l/o to Bagalagunte		1	24.00	5.60	0.15	20.16		
	Link road b/w 1st Cross Munikondappa main road		1	30.00	5.20	0.15	23.40		
	4th Cross Munikondappa layout		1	90.00	4.10	0.15	55.35		
	Cross Road		1	26.00	4.10	0.15	15.99		
	Cross Road		1	26.00	3.50	0.15	13.65		
						Total	**286.05**	**110.24**	**31534.00**
	Basic Rate	104.00							
	Area Weightage 6%	6.24							
	Total	**110.24**							
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications. MORTH Specification No. 406 **Page No.167/ Item No. 20.18/PWD SR 2012-13**	Cum							
	wet mix macadam								
	Munikondappa l/o Main road		1	210.00	3.75	0.18	141.75		
	Munikondappa l/o to Bagalagunte		1	24.00	5.60	0.18	24.19		
	Link road b/w 1st Cross Munikondappa main road		1	30.00	5.20	0.18	28.08		
	4th Cross Munikondappa layout		1	90.00	4.10	0.18	66.42		
	Cross Road		1	26.00	4.10	0.18	19.19		
	Cross Road		1	26.00	3.50	0.18	16.38		
							296.01	**1059.48**	**313617.00**
	Basic Rate	981.00							
	Area Weightage 8%	78.48							
	Total	**1059.48**							

3	KSRRB 500-4: Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of grar ar base with cut back M.C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries Complete as per Specifications. MORTH Chapter 5 **Page No. 172/ Item No. 21.4.2/ PWD SR 2012-13**	**Sqm**							
	Munikondappa l/o Main road		1	210.00	3.75		787.50		
	Munikondappa l/o to Bagalagunte		1	24.00	5.60		134.40		
	Link road b/w1st Cross Munikondappamain road		1	30.00	5.20		156.00		
	Basic Rate	78.80					1077.90	**85.10**	**91729.00**
	Area Weightage 8%	6.30							
	Total	**85.10**							
4	KSRRB M500-19: Providing and laying bituminous concrete 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.9 complete in all respects as per specifications. 30-45mm compacted thickness (GradingII) with 6% Bitumen 80/100 grade using 40-60HMP **Page No. 176/ Item No. 21.22.3/ PWD SR 2012-13**	Cum							
	Munikondappa l/o Main road		1	210.00	3.75	0.04	31.50		
	Munikondappa l/o to Bagalagunte		1	24.00	5.60	0.04	5.38		
	Link road b/w 1st Cross Munikondappa main road		1	30.00	5.20	0.04	6.24		
							43.12	10504.08	**452936.00**
	Basic Rate	9726.00							
	Area Weightage 8%	778.08							
	Total	**10504.08**							
5	KSRRB M2900-1: Plain cement concrete 1:3:6 mix with crushed stone aggregates 40m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14days complete as per specifications. MORTH Specification No. 408 **Page No. 254/ Item No. 34.1/ PWD SR 2012-13**	Cum,							
	Link road at Muneshwaranagara & Vinayakanagara		1	80.00	4.10	0.15	49.20		
			1	26.00	4.10	0.15	15.99		
			1	26.00	3.50	0.15	13.65		
							78.84	**3654.72**	**288138.00**
	Basic Rate	3384.00							

	Area Weightage 8%	270.72							
	Total	**3654.72**							
6	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-15 (1:2:4) for raft foundation, column footing, main and secondary beams. **Page No. 19/ Item No. 4.48.1/ PWD SR 2012-13**	Cum							
	4th Cross Munikondappa layout		1	90.00	4.10	0.125	46.13		
	Cross Road		1	26.00	4.10	0.125	13.33		
	Cross Road		1	26.00	3.50	0.125	11.38		
							70.83	**5535.32**	**392067.00**
	Basic Rate	5222.00							
	Area Weightage 6%	313.32							
	Total	**5535.32**							
7	KSRB 4.9.2: providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-12	Qtls				kg/Cum			
		Kg		70.83	–	25.00	1770.63		
		Qtls					17.71	7187.86	**127297.00**
	Basic Rate	6781.00							
	Area Weightage @ 6%	406.86							
	Total	**7187.86**							
8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2011-12**	Cum							
	Link road		2	80.00		0.20	32.00		
	5th 'A'Cross		2	26.00		0.20	10.40		
	1st 'A'Cross		2	26.00		0.20	10.40		
	Basic Rate	645.00					**52.80**	683.70	**36099.00**
	Area Weightage 6%	38.70							
	Total	**683.70**							

9	Vaccum de-watering with vaccum pump and suction mat and Compaction with skin floater clubbed with floating disc including cost of generator, Hom of Machinery, screed Vib. ry, Power Floater, Blade and Disc etc., with all lead and Lift. **Page No. 187/ Item No. 22.7/ PWD SR 2012-13**	Sqm							
	Link road		1	90.00	4.10		369.00		
	5th 'A'Cross		1	26.00	4.10		109.20		
	1st 'A'Cross		1	26.00	3.50		91.00		
	Basic Rate	80.00					**569.20**	86.40	**49179.00**
	Area Weightage 8%	6.40							
	Total	**86.40**							
10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.00 (P.147 I.18.57/1)	Cum							
	4kms Basic Rate	10.24	Qty. Vide Item No. 1				286.05		
	Loading and Unloading Charges	62.20	Qty Limited to				**220.00**	78.24	**17213.00**
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
11	Miscellaneous and Unforessen Charges								**191.00**
								Total	**1800000.00**

(Rupees Eighteen Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2012-13
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

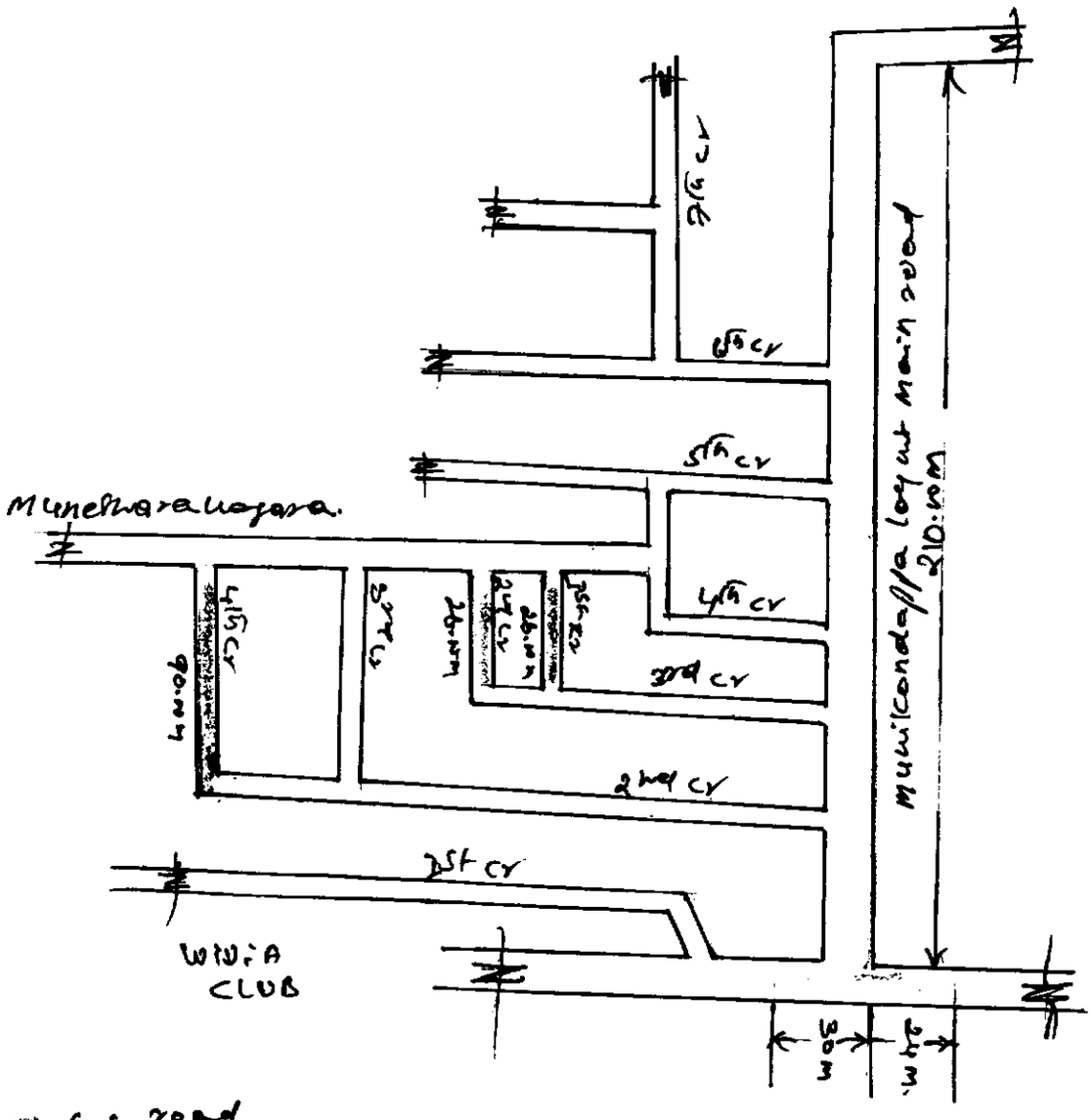
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S
JC(DH) AS 695/12-13 16/02/13
18.00 lakhs (Rupees Eighteen Lakhs only)
Page No. 121
Sl. No. 695

ನಂ.EE/DD/TS/487/12-13 ದಿನಾಂಕ: 18/02/2013
ರೂ. 18.00 Lakhs (Rupees Eighteen Lakhs only)
18/2

Name of work: Improvement to cross roads to Munikondappa layout & Muneshwara nagara in Bagalagunte
N.No. 14.



C.C. road
B.T. Surface

F.S. Plan.